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TITLE: MONOCLONAL ANTIBODY RECOGNIZING PHOSPHATIDYL
INOSITOL-3,4,5-TRIPHOSPHATE
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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject new antibody specifically recognizing phosphatidyl inositol-3,4,5-triphosphate (PIP3), used for a method for immunologically measuring PIP3, etc., and useful for the analysis of information transmission in cells, etc.

SOLUTION: This antibody, such as a monoclonal antibody, specifically recognizing phosphatidyl inositol-3,4,5-triphosphate (PIP3), is utilized for a method for immunologically measuring PIP3, etc., and is used, for example, for specifying the existence place of the PIP3 in the cells or for analyzing information transmission in cells by inhibiting the information transmission of the PIP3 to the down stream and subsequently examining the effects. The antibody is obtained by coating died *Salmonella* bacterium cells as an adjuvant with synthesized PIP3, immunizing a mouse with the coated bacterium cells several times, fusing the splenic cells of the immunized mouse to myeloma cells, subjecting the obtained hybridomas to a HAT selection, screening on a binding property to the PIP3, cloning a positive clone and subsequently culturing the clone.

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